HW 2-7 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Algebra Test Review for Friday

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| 1) If cx – d = f, then x is equal to  (1) f + d – c (3) d + f  (2) f – d (4) f + d  c c | 2) Solve for r in terms of d and t:  d = rt |
| 3) Which statement is an illustration of the distributive property of real numbers?    (1) 5 + 3 = 3 + 5    (2) 5(6 + 7) = 5(6) + 5(7)  (3) (a + b) + c = a + (b + c)  (4) -5 + 0 = -5 | 4) Find the quotient: 70a4 – 14a3 + 28a  7a |
| 5) What is the sum of 3*x*2 + 8*x* - 2 and 7x2 + 4*x* – 6? | 6) Simplify the expression  MCTest112 |
| 7) Five less than three times a number  is equal to sixteen.    (1) 5 – 3x = 16  (2) (5 – 3)x = 16  (3) 3x = 16 - 5  (4) 3x – 5 = 16 | 8) Solve for x: |
| 9) Solve for c:  3(c + 5) + c = 7 | 10) If 2x2 – 6x + 1 is subtracted from 4x2 – 10x + 6, what is the result? |
| 11) What is the product of and | 12) Simplify the following expression:  **mc001-4.jpg** |
| 13) Solve for m: 6 = m + 5  4 m | 14) In simplifying 5 + 62  2, which of the  following correctly explains how to  follow the order of operations?  (1) After simplifying 62 , divide by 2 and then  add 5  (2) After simplifying 62 , add 5 and then divide  by 2  (3) After evaluating 5 + 6, square it and then  divide by 2  (4) The process of simplifying the expression  cannot be determined without  parentheses. |
| 15) Simplify (7x4)(10x6)  5x2 | 16) An example of an algebraic expression is  (1) 7x + 4 (3) 8x – 6 = 41  (2) 2/3x = 40 (4) 1/2x + 5 = 80 |
| 17) What is an example of an algebraic equation?  (1) 6x – 5 (3) a – b  (2) 3m + 10 = 50 (4) 2/3x | 18) A 24 inch piece of rope was cut into two pieces. One piece was 4 inches more than the first piece. What were the lengths of the two pieces of rope? |
| 19**)** Using n to represent a number, write the expression that represents “ten less than seven times the number”? | 20) The expression  is equivalent to |